

Customer No.: 31561
Application No.: 10/604,173
Docket No.: 10873-US-PA

To the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (currently amended) A display driving circuit, comprising:

a plurality of driving stages, wherein the driving stages are electrically coupled in serial, and each of the driving stages comprises a conducting path so as to transmit an electric signal from a previous driving stage to a next driving stage; and

a plurality of driving lines, wherein each of the driving lines corresponds to one of the driving stages respectively, and the driving line is electrically coupled to an output terminal of a corresponding driving stage;

wherein it is characterized in that a redundant device comprising at least one transistor is installed in each part of the driving stages, respectively, and the redundant device is capable of supplying an extra conducting path to transmit an electric signal from the previous driving stage to the next driving stage via the current driving stage while the original conducting path in the corresponding driving stage is broken.

Claim 2 (original) The display driving circuit of claim 1 wherein the redundant device is added into a driving stage subsequent to a plurality of preceding driving stages that are installed separately departing from a predetermined number of the driving stages with each other.

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Claim 3 (original) The display driving circuit of claim 1 wherein the redundant device is added to a plurality of contiguous driving stages subsequent to a plurality of preceding driving stages that are installed separately, departing from a predetermined number of the driving stages with each other.

Claim 4 (new) A display driving circuit, comprising:

a plurality of driving stages, electrically coupled in serial;

a plurality of redundant stages, alternatively disposed between the driving stages and electrically coupled to adjacent driving stages, and each of the redundant stage comprises a conducting path so as to transmit an electric signal from the previous driving stage to the next driving stage; and

a plurality of driving lines, wherein each of the driving lines corresponds to one of the driving stages or the redundant stages respectively, and each of the driving line is electrically coupled to an output terminal of a corresponding driving stage or a corresponding redundant stage.

Claim 5 (new) The display driving circuit of claim 4, wherein each of the redundant stage includes a driving stage and a redundant device.

Claim 6. (new) The display driving circuit of claim 4, wherein each pair of two adjacent redundant stages further comprises at least one another driving stage electrically coupled therebetween.

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Claim 7 (new) The display driving circuit of claim 5, wherein the redundant device comprises a plurality of transistors electrically coupled in parallel with transistors in the driving stage.

Claim 8. (new) The display driving circuit of claim 7, wherein the redundant device is capable of supplying an extra conducting path to transmit an electric signal from the previous driving stage to the next driving stage via the current redundant stage while the original conducting path in the corresponding driving stage of the redundant stage is broken.

Claim 9. (new) The display driving circuit of claim 7, wherein the driving stage comprises six transistors.

Claim 10 (new) A display driving circuit, comprising:

a plurality of driving stage groups, electrically coupled in serial, and each of the driving stage groups comprises a plurality of driving stages electrically coupled in serial;

a plurality of redundant stages, alternatively disposed between the driving stages group and electrically coupled to adjacent driving stages group, and each of the redundant stage comprises a conducting path so as to transmit an electric signal from the previous driving stage group to the next driving stage group; and

a plurality of driving lines, wherein each of the driving lines corresponds to one of the driving stages or the redundant stages respectively, and each of the driving line is electrically coupled to an output terminal of a corresponding driving stage or a corresponding redundant stage.

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Claim 11 (new) The display driving circuit of claim 10, wherein each of the redundant stage includes a driving stage and a redundant device.

Claim 12 (new) The display driving circuit of claim 11, wherein the redundant device comprises a plurality of transistors electrically coupled in parallel with transistors in the driving stage.

Claim 13. (new) The display driving circuit of claim 12, wherein the redundant device is capable of supplying an extra conducting path to transmit an electric signal from the previous driving stage to the next driving stage via the current redundant stage while the original conducting path in the corresponding driving stage of the redundant stage is broken.

Claim 14. (new) The display driving circuit of claim 12, wherein the driving stage comprises six transistors.